

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2011 Levee Inspection Results

Reclamation District No. 0070 Meridian

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway				Bank	Unit Miles
Unit No. 01 Sutter Bypass				Right	8.00
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	4/5/2011 - 4/5/2011				
DWR Inspector	Bob Duffey				
Accompanied By	Ron Long				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass						Right	8.00	04/05/2011 04/05/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.95	0.95	Earthen Levee	Encroachments	LS	PO	Buildings	39.146211 ° -121.844551 °	39.146211 ° -121.844551 °	1
2	3.27	3.27	Earthen Levee	Seepage / Sandboils	LS	U		39.157500 ° -121.879908 °	39.157500 ° -121.879908 °	2 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	8.00	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	3.27
End Levee Mile	3.27
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_293.jpg



*** Location**

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CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Left	15.57

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2011 - 4/5/2011			
DWR Inspector	Bob Duffey			
Accompanied By	Ron Long			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.04	0.33	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 1:1 slope, slumping, clays and silts, 2.58 ft/s [2009 SiteID:SAC_138-1_L]	39.193219 ° -121.935783 °	39.190039 ° -121.934200 °	10 Y
2	0.07	0.21	Earthen Levee	Seepage / Sandboils	LS	U		39.193237 ° -121.935147 °	39.191617 ° -121.933873 °	6 Y
3	0.64	0.66	Earthen Levee	Encroachments	LS	M	Prunings	39.187511 ° -121.938304 °	39.187400 ° -121.938673 °	1 Y
4	1.38	1.38	Earthen Levee	Seepage / Sandboils	LS	U		39.178748 ° -121.943085 °	39.178748 ° -121.943085 °	8 Y
5	2.21	2.21	Earthen Levee	Seepage / Sandboils	LS	U		39.168333 ° -121.936038 °	39.168333 ° -121.936038 °	12 Y
6	2.33	2.33	Earthen Levee	Seepage / Sandboils	LS	U		39.166678 ° -121.935530 °	39.166678 ° -121.935530 °	13 Y
7	2.95	3.05	Earthen Levee	Seepage / Sandboils	LS	U		39.159405 ° -121.930008 °	39.158795 ° -121.928122 °	14 Y
8	3.60	3.60	Earthen Levee	Encroachments	LS	M	Prunings	39.154042 ° -121.920205 °	39.154042 ° -121.920205 °	2
9	3.63	3.63	Earthen Levee	Seepage / Sandboils	LS	U		39.153785 ° -121.919758 °	39.153785 ° -121.919758 °	15 Y
10	3.64	3.64	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.153732 ° -121.919703 °	39.153732 ° -121.919703 °	16
11	4.34	4.50	Earthen Levee	Encroachments	LS	PO	Buildings	39.144445 ° -121.917365 °	39.142155 ° -121.918223 °	7
12	4.53	4.57	Earthen Levee	Encroachments	WS	M	Prunings	39.141707 ° -121.918480 °	39.141379 ° -121.918972 °	3
13	4.76	4.76	Earthen Levee	Seepage / Sandboils	LS	U		39.140935 ° -121.922095 °	39.140935 ° -121.922095 °	17 Y
14	4.99	5.02	Earthen Levee	Encroachments	LS	CO	Buildings	39.142008 ° -121.926267 °	39.142032 ° -121.926855 °	9 Y
15	5.08	5.08	Earthen Levee	Encroachments	LS	M	Prunings	39.142023 ° -121.927828 °	39.142023 ° -121.927828 °	18
16	5.10	5.10	Earthen Levee	Seepage / Sandboils	LS	U		39.141972 ° -121.928160 °	39.141972 ° -121.928160 °	19 Y
17	5.14	5.47	Earthen Levee	Seepage / Sandboils	LS	U		39.141850 ° -121.929007 °	39.142805 ° -121.934700 °	20 Y
18	5.47	5.84	Earthen Levee	Seepage / Sandboils	LS	U		39.142772 ° -121.934740 °	39.140810 ° -121.938973 °	21 Y
19	6.35	6.47	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.133607 ° -121.937483 °	39.132310 ° -121.936277 °	22

* Location LS : Landside WS : Waterside CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River							Left	15.57	04/05/2011 04/05/2011	Bob Duffey
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
20	6.47	7.15	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.132233 ° -121.936188 °	39.129068 ° -121.924674 °	4
21	7.25	7.25	Earthen Levee	Seepage / Sandboils	LS	U		39.128033 ° -121.923347 °	39.128033 ° -121.923347 °	23 Y
22	8.16	8.26	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 1.5:1 slope, tree hazards and slumping, clays and silts, 2.86 ft/s [2009 SiteID:SAC_130-0_L]	39.122514 ° -121.910139 °	39.121106 ° -121.909339 °	11 Y
23	8.66	8.71	Earthen Levee	Seepage / Sandboils	LS	U		39.116535 ° -121.905157 °	39.115838 ° -121.904712 °	24 Y
24	9.62	9.86	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.103318 ° -121.899622 °	39.100002 ° -121.898747 °	25
25	9.86	10.97	Earthen Levee	Seepage / Sandboils	LS	U		39.100018 ° -121.898745 °	39.087222 ° -121.892680 °	26 Y
26	10.08	10.47	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.097662 ° -121.896349 °	39.093662 ° -121.892535 °	5
27	10.76	12.64	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.089570 ° -121.893487 °	39.072510 ° -121.884078 °	27
28	11.80	12.35	Earthen Levee	Seepage / Sandboils	LS	U		39.080038 ° -121.892765 °	39.073123 ° -121.889010 °	28 Y
29	13.22	13.22	Earthen Levee	Seepage / Sandboils	LS	U		39.070013 ° -121.873933 °	39.070013 ° -121.873933 °	29 Y
30	13.26	13.27	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.069570 ° -121.873243 °	39.069505 ° -121.873083 °	30
31	13.65	13.82	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.067858 ° -121.867355 °	39.068408 ° -121.864092 °	31
32	14.48	14.48	Earthen Levee	Seepage / Sandboils	LS	U		39.071953 ° -121.852992 °	39.071953 ° -121.852992 °	32 Y
33	14.71	14.77	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.071913 ° -121.848778 °	39.071505 ° -121.847913 °	33 Y
34	14.89	15.32	Earthen Levee	Seepage / Sandboils	LS	U		39.070292 ° -121.846372 °	39.066028 ° -121.840447 °	34 Y

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.04
End Levee Mile	0.33
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1:1 slope, slumping, clays and silts, 2.58 ft/s [2009 SiteID:SAC_138-1_L]	
rduffey_s_20110228_091.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.07
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils
View of the seepage along the toe.	
rduffey_s_20110427_294.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.64
End Levee Mile	0.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the pruning and debris along the landside toe.	
rduffey_s_20110228_090.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	1.38
End Levee Mile	1.38
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_295.jpg



Levee Mile Report Line	5
Start Levee Mile	2.21
End Levee Mile	2.21
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage & Boils along the toe.

rduffey_s_20110427_296.jpg



Levee Mile Report Line	6
Start Levee Mile	2.33
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage & boils along the toe.

rduffey_s_20110427_297.jpg



*** Location**

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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	2.95
End Levee Mile	3.05
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_298.jpg



Levee Mile Report Line	9
Start Levee Mile	3.63
End Levee Mile	3.63
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_299.jpg



Levee Mile Report Line	13
Start Levee Mile	4.76
End Levee Mile	4.76
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_300.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	14
Start Levee Mile	4.99
End Levee Mile	5.02
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the building along the toe.

rduffey_s_20110427_301.jpg



Levee Mile Report Line	16
Start Levee Mile	5.10
End Levee Mile	5.10
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_302.jpg



Levee Mile Report Line	17
Start Levee Mile	5.14
End Levee Mile	5.47
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_303.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	18
Start Levee Mile	5.47
End Levee Mile	5.84
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_304.jpg



Levee Mile Report Line	21
Start Levee Mile	7.25
End Levee Mile	7.25
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_305.jpg



Levee Mile Report Line	22
Start Levee Mile	8.16
End Levee Mile	8.26
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

2009: no berm, 1.5:1 slope, tree hazards and slumping, clays and silts, 2.86 ft/s [2009 SiteID:SAC_130-0_L]

rduffey_s_20110228_092.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	23
Start Levee Mile	8.66
End Levee Mile	8.71
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_306.jpg



Levee Mile Report Line	25
Start Levee Mile	9.86
End Levee Mile	10.97
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_307.jpg



Levee Mile Report Line	28
Start Levee Mile	11.80
End Levee Mile	12.35
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_308.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	29
Start Levee Mile	13.22
End Levee Mile	13.22
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_309.jpg



Levee Mile Report Line	32
Start Levee Mile	14.48
End Levee Mile	14.48
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_312.jpg



Levee Mile Report Line	33
Start Levee Mile	14.71
End Levee Mile	14.77
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the AG ditch along the L/S toe.

rduffey_s_20110427_310.jpg



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Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.57	04/05/2011 04/05/2011	Bob Duffey

Levee Mile Report Line	34
Start Levee Mile	14.89
End Levee Mile	15.32
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

View of the seepage along the toe.

rduffey_s_20110427_311.jpg



*** Location**

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